

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WK2XDP

(Call Sign)

XD FX MO

(Class of Station)

0141-EX-CN-2019

(File Number)

NAME Telephonics Corporation

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(g, i) of the Commission's Rules

Station Locations

- (1) MOBILE: Farmingdale, NY, within 416 km, centered around NL 40-43-53; WL 73-25-19
- (2) Farmingdale (SUFFOLK), NY - NL 40-43-53; WL 73-25-19
- (3) Farmingdale (SUFFOLK), NY - NL 40-43-53; WL 73-25-19

Frequency Information

MOBILE: Farmingdale, NY, within 416 km, centered around NL 40-43-53; WL 73-25-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	MO	18M0V1D	125 W (ERP)	

Farmingdale (SUFFOLK), NY - NL 40-43-53; WL 73-25-19

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This authorization effective June 06, 2019 and
will expire 3:00 A.M. EST August 31, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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Special Conditions:

- (1) Assignment on 1030 MHz or in one of the bands 1215-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Eastern Coordinator, New York, NY. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Eastern Coordinator, New York, NY, as necessary to ensure compatibility with existing uses.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) Telephonics must follow all FAA restrictions
 - a) Transmission power 125 W
 - b) Lockout range = 60 nm
 - c) Antenna FAI-54m peak gain 21 dBi and control channel for ISLS ave 4.5-6 .5 dBi
 - d) Average PRF 240 (PRR 192/48/240) at 12.5 RPM. Modes 1,2,3A,C (192 Hz) and S(48 Hz)
 - e) Average PRF 150 (PRR 120/30/150) at 6.25 RPM. Modes 3, C, 2 (120 Hz) and S (30 Hz).
 - f) Mode S interrogations limited to UF11, UF4 and UF5 .
 - g) 24 hours operation with transmission limited to 65-170 degrees referenced to true north, all other angles must be blanked.
 - h) II code=15, if the US government needs to conduct any Mode S operation (with II=15) that may overlap with Telephonics operation, Telephonics will be informed and the US government operation will take priority. Once the US government operation are concluded, Telephonics will be informed to reinstate its operation.
 - i) At the end of each week, Telephonics shall provide an email to the FAA (osc ar.valle-colon@faa.gov) with information regarding days and times where system was performing radiations.
 - j) Emission designator 18M00V1D
- (6) This frequency assign was coordinated prior to authorization with FAA headquarters, 800 Independence Avenue, S.W., Washington, D.C 20591. Phone: 202-267-8699.
- (7) Operation is based on non-interference basis.
- (8) Stop Buzzer, Joseph Colucci at 631-455-0844.